

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name TICHIGAN CREEK			Waterbody ID Code 763700		Sample ID (YYYYMMDD-CY-FD) 20161025-00-02 52	
Sampling Location DS of Marsh Rd. Culvert					Database Key 137220930	
SWIMS Station ID 10041826		SWIMS Station Name TICHIGAN CREEK AT MARSH RD				
Latitude 42.8002571	Longitude -88.2427635	Lat/Long Determination Method (circle) <u>SWIMS</u> SWDV GPS			Datum Used if using GPS WGS84 or <u>NAD83</u>	
Basin (WMU) FOX (IL)		Watershed Name MIDDLE FOX RIVER - ILLINOIS			County RACINE	
Sample and Site Descriptors						
Sample Collector (Last Name, First) DYLAN OLSON				Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016		
Sampling Device						
<input checked="" type="checkbox"/> Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input checked="" type="checkbox"/> Riffle <input checked="" type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) 4m	Estimated Area Sampled (m ²) 2m ²		Number of Samples in Composite 1		Replicate No. 1 of 1	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: <u>Natural Community</u>						
Water Temp. (C) 11.5	D.O. (mg/l) 11.0	D.O. (% sat.) 104.0	pH (su) 7.7	Conductivity (umhos/cm) 860.3	Transparency (cm) 120+	
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained				Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)		
Measured Velocity — circle units m/s or f/s		Average Stream Depth of reach (m) 1.4 ft		Average Stream Width of reach (m) 1.5 m		
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>20</u>	Gravel (ladybug to tennisball): <u>40</u>		
Sand: <u>30</u>		Clay: _____	Silt/Muck: <u>10</u>	Overhanging Vegetation: _____		
Aquatic Macrophytes: <u>10</u>		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____		
Embeddedness of Substrate at Sample Site (%) <u>30</u>			Canopy Cover at Sample Site (%) <u>0</u>			

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain

PL = Present, Low Impact
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity	Local	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion		
Physical			Point Source - Specify:		
Bank Erosion			Pasturing of Livestock		
Channelization: - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream			- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Mineral Soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Taylor Herz</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>15%</i>
Date Processed <i>4-6-17</i>	Specimens Saved <i>Subsample archived in ABL until Sept 2020</i>	

D3 107
 E1 101

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	-1	6	Kluberantz 2016	imm	N
C. latipennis	L	"	2	"		
Stenacron interpunctatum	L	xv	12	"		
Calopteryx maculata	L	"	2	West, May 1996		
Chamaetopsycha	L	Burr	45	Hilsenhoff 1995		
Hydropsyche betteni	L	x-iiii	19	Schm, Hils. 1986		
Ceratopsycha branta	L	1	1	"		
Tricentodes	L	1	1	Hilsenhoff 1995		
Limnephilidae	L	"	2	"	imm	
Chimarra obscura	L	1	1	Hilsenhoff 1982		
Psychomyia flavida	L	1	1	Hilsenhoff 1995		
Ochrotrichia quadripunctata	A	"	2	Hils, Schm. 1992		
Optioservus fastiditus	L	1	1	"		
Stenelmis	L	1	1	"		
Ceratopogonidae	L	1	1	Court, Merr 2008	dam	
Idemerdromia	L	"	2	"		
Ephydriidae	L	iiii	4	"		
Simulium vittatum Species Complex 06110217	L	"	2	Ader et al 2004		
Dicranota	L	1	1	Hilsenhoff 1995		
Caloparyphus	L	1	1	"		
Gammarus pseudolimnaeus	A	x1	11	Holsinger 1972		
Hyalella	A	xii	12	Pennak 1978		
Crangonyx pseudogracilis complex	A	-iiii	9	Holsinger 1972		
Caecidotea intermedia	A	x1	11	Williams 1972		
Tubificinae w/o capilliform chaetae	A	1	1	Klemm 1985		
Tubificinae w/ capilliform chaetae	A	1	1	"		
Split A3 Chironomidae	L	1-w/d				
Parametriocnemus	P	1	1	Ferr et al 2008		
Thienemannella	P	1	1	"		
Orthocladus (Orthocladus)	P	1	1	"		
Conchapelopia	L	-iii	8	Cross, Epler 2013		
Hayesomyia Menopelopia	L	"	2	"		
Zavelimyia	L	1	1	"		
Thienemannimyia group	L	1	1	"	dam	N
Thienemannella	L	iii	3	Ader + 3 2013		N
Orthocladus (Orthocladus)	L	x1	"	"		N

<3 taxa, TVAL < 2.0

